Application No. 10/719,795 Docket No.: HO-P02901US1

Amendment dated December 27, 2005 Reply to Office Action of September 27, 2005

AMENDMENTS TO THE CLAIMS

1. (Amended) A drilling fluid additive comprising crumb rubber particles, the crumb <u>rubber</u> having a diameter of from about 400 to about 4000 microns <u>wherein the crumb rubber is added in an amount of from 5 to 100 pounds per barrel of fluid.</u>

- 2. (Original) The drilling fluid additive of claim 1 further comprising a hydrocarbon fluid.
- 3. (Original) The drilling fluid additive of claim 1 wherein said crumb rubber has a density of from about 8.5 to about 10.5 ppg.
- 4. (Original) The drilling fluid additive of claim 2 wherein said hydrocarbon fluid is selected from the group consisting of crude oil, diesel oil, mineral oil, gasoline, naptha, toluene, ethylenedichloride, synthetic oils and mixtures thereof.
- 5. (Original) The drilling fluid additive of claim 1 further comprising cellulose fiber.
- 6. (Amended) The drilling fluid additive of claim 1 wherein the crumb rubber particles are capable of expanding to at least 140% of their original size upon exposure to hydrocarbon fluids.
- 7. (Amended) A drilling fluid additive for reducing lost circulation of drilling fluids comprising:
 - (a) Crumb rubber particles capable of expanding upon exposure to heat, said particles having a diameter of from 400 to 4000 microns; and

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(b) a hydrocarbon fluid wherein the crumb rubber particles are added to the drilling fluid in an amount of from 5 to 100 pounds per barrel of fluid.

- 8. (Amended) The drilling fluid additive of claim 7 wherein said crumb rubber. The particles have a density of from about 8.5 to about 10.5 ppg.
- 9. (Amended) The drilling fluid additive of claim 9<u>7</u> wherein said crumb rubber particles are capable of expanding at least <u>1</u>40% of their original size upon exposure to a hydrocarbon fluid.
- 10. (Amended) A method of reducing lost circulation in a well comprising:
 - (a) preparing a pill of crumb rubber particles and hydrocarbon fluid wherein said crumb rubber comprises 5 to 100 pounds per barrel of drilling fluid;
 - (b) injecting said pill into said well; and
 - (c) forcing said pill into a lost circulation zone wherein said rubber particles have a diameter of from about 400 to about 4000 microns.
- 11. (Original) The method of claim 10 wherein the crumb rubber has particles varying in size from 400 to 2000 microns.
- 12. (Original) The method of claim 10 wherein said hydrocarbon fluid is selected from the group consisting of crude oil, diesel oil, kerosene, mineral oil, gasoline, naptha, toluene, ethylenedichloride and mixtures thereof.

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13. (Original) The method of claim 10 wherein said hydrocarbon fluid comprises diesel oil.